

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)	Group Art Unit:
)	
R. Crooke et al.)	Examiner:
)	
Appln. No.)	
)	
Filed: Herewith)	
)	
For: ANTISENSE MODULATION OF)	
MICROSOMAL TRIGLYCERIDE)	
TRANSFER PROTEIN)	
EXPRESSION)	January 16, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A/08B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/08B and this paper identify documents previously cited in parent application, US Patent Application No. 09/917,963, filed July 30, 2001.

According to 37 CFR § 1.98(d), Applicants have not enclosed copies of any US Patents, Publications or other documents listed herein, which listed items were previously cited by or submitted to the United States Patent and Trademark Office in prior parent US Patent Application No. 09/917,963, filed July 30, 2001. This application is relied upon for an earlier effective filing date under 35

USC § 120. The IDS submitted in the earlier application complies with paragraphs (a) through (c) of 37 CFR § 1.98(d).

This Information Disclosure Statement is submitted within three months from the filing date of this application and before the receipt of a first Office Action on the merits. Therefore, no fees are believed due.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

The Examiner is respectfully requested to consider the enclosed document identified in this paper and in the attached Form PTO/SB/08A/08B during the course of examination of this application.

Respectfully submitted,
Howson and Howson
Attorneys for Applicants

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Substitute for form 1449/PTO

(Use as many sheets as necessary)

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Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	Crooke
Art Unit	
Examiner Name	
Attorney Docket Number	ISPH-0591US.C1

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet

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3

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Application Number

Filing Date

Herewith

First Named Inventor

Crooke et al

Art Unit

Examiner Name

Attorney Docket Number

ISPH-0591US.C1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	BERRIOT-VARQUEAUX et al, "The role of the microsomal triglyceride transfer protein in abetalipoproteinemia", Annu. Rev. Nutr., 20: 663-697, 2000	
	AB	DAVIS, R. A., "Cell and Molecular Biology of the Assembly and Secretion of Apolipoprotein B-containing Lipoproteins by the Liver", Biochim. Biophys. Acta, 1440: 1-31 Aug 1999	
	AC	GORDON, "Progress Towards Understanding the Role of Microsomal Triglyceride Transfer Protein ... Assembly", Biochim Biophys Acta, 1486:72-83 June 2000	
	AD	HERRMANN, "Identification of two polymorphisms in the promoter of the microsomal triglyceride transfer protein (MTP) gene... profiles" J. Lipid Res, 39:2432-2435 Dec 1998	
	AE	JAMIL, "An inhibitor of the microsomal triglyceride transfer protein inhibits apoB secretion from HepG2 cells", Proc. Natl. Acad. Sci., USA, 93:11991-11995 Oct 1996	
	AF	KARPE, "A common functional polymorphism in the promoter region of the microsomal triglyceride transfer... LDL levels", Arterio. Thromb. Basc. Biol., 18:756-761 May 1998	
	AG	KURIYAMA, "Enhanced expression of hepatic acyl-coenzyme A synthetase and microsomal triglyceride transfer protein messenger ... accumulation", Hepatol., 27:557-562 Feb 1998	
	AH	SHARP, "Cloning and gene defects in microsomal triglyceride transfer protein associated with abetalipoproteinemia", Nature, 365:65-69 Sept 1993	
	AI	WETTERAU, "An MTP Inhibitor that normalizes atherogenic lipoprotein levels in WHHL rabbits", Science, 282:751-754 October 1998	
	AJ	AGRAWAL, "Antisense oligonucleotides:towards clinical trials", TIBTECH, 14:376-387, Oct. 1996	

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Sheet	3	of	3	Attorney Docket Number	ISPH-0591US.C1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AK	BRANCH, A. D., "A good antisense molecule is hard to find", TIBS, 23:45-50, February 1998	
	AL	KUANG-YU JEN et al, "Suppression of gene expression by targeted disruption of messenger RNA: available options and current strategies", Stem Cells 2000, 18:307-319, July 2000	
	AM	BEISSEN et al, "Novel potent antisense drugs for down-regulating murine MTP expression: potential in hypocholesterolemic therapy", Circul, 102(18), Suppl. II, p. 148, Oct 2000	

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